



FACILITY COMPLIANCE AUDIT REPORT

Division of Waste Management Solid Waste Section

UNIT TYPE:											
Lined MSWLF	X	LCID		YW		Transfer		Compos t	X	SLAS	COUNTY: Lincoln PERMIT NO.: 55-03 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods	X	Incineration		T&P	X	FIRM	
CDLF	X	Tire T&P / Collection	X	Tire Monofill		Industrial Landfill		DEMO		SDTF	

Date of Audit: February 2, 2011

Date of Last Audit: September 1, 2010

FACILITY NAME AND ADDRESS:

Lincoln County Landfill
 5291 Crouse Road
 Crouse, North Carolina 28033

GPS COORDINATES: N: 35.42288 W: 81.35695

FACILITY CONTACT NAME AND PHONE NUMBER:

Nancy C. Rickard, Deputy Director of Solid Waste
 (704) 732-9030
 nrickard@lincolncounty.org

FACILITY CONTACT ADDRESS:

Same as above

AUDIT PARTICIPANTS:

Nancy Rickard, Deputy Dir. Of Solid Waste
 Mark Bivins, Lincoln County
 Charles Gerstell-NCDENR, Solid Waste Section

STATUS OF PERMIT:

A Permit to Operate-Modification was issued to Lincoln County on September 15, 2009. This permit approved the operation of *Lincoln MSW And C&D Landfill, MSW Unit Phases I, II, and III, C&D Unit Phase IIA, and Miscellaneous Treatment and Processing Units.* **The permit shall expire on September 11, 2011.**

PURPOSE OF AUDIT:

Follow-up Audit

NOTICE OF VIOLATION(S):

None

You are hereby advised that, pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Statute or Regulations. For the violation(s) noted here, you may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

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STATUS OF PAST NOTED VIOLATIONS:

15A NCAC 13B .1626(4)(a)(ii): A review of methane monitoring records during the previous inspection performed on September 1, 2010 found that methane was recorded in excess of the lower explosive limit at methane monitoring well #6 on February 17, 2010 (18.4 percent by volume) and June 7, 2010 (14.8 percent by volume). Methane was recorded in excess of the lower explosive limit at methane monitoring well #7 on February 17, 2010 (8.4 percent by volume). Both methane monitoring wells #6 and #7 are located at the at the facility property boundary. Therefore, Lincoln County was found in violation of 15A NCAC 13B .1626(4)(a)(ii).

15A NCAC 13B .1626(4)(c)(i) – (iii): Lincoln County failed to notify the Division of methane levels above the lower explosive limit at the property boundary as recorded on June 7, 2010 and February 17, 2010. Review of records during the previous inspection found that no description had been placed in the operating record detailing the steps taken to protect human health, and no remediation plan had been implemented. Therefore, Lincoln County was found in violation of 15A NCAC .1626(4)(c)(i) – (iii).

Correspondence was received by the Solid Waste Section on October 6, 2010 from S&ME on behalf of Lincoln County. The document was entitled “*September 1, 2010 NCDENR Facility Compliance Audit Report*” and was submitted to address the methane gas violations, describe the nature and extent of the methane gas, and propose a corrective remedy. **Therefore the above violations are considered resolved.**

Landfill gas monitoring well #6 (MMW-6) should be monitored on a bi-weekly or monthly basis for at least three months. If landfill gas exceedances above the LEL are still present after the three month period, then a landfill gas corrective action plan will be required. During the three month time period and for routine landfill gas monitoring, Lincoln County is required to follow the new landfill gas guidance document located at the following internet address: http://portal.ncdenr.org/c/document_library/get_file?uuid=da699f7e-8c13-4249-9012-16af8aefdc7b&groupId=38361.

Any questions regarding methane monitoring may be addressed to Jaclynne Drummond, Compliance Hydrogeologist, Division of Waste Management, Solid Waste Section. Ms. Drummond can be contacted at (919) 508-8500.

15A North Carolina Administrative Code 13B .1626(2)(a): The previous inspection of the facility performed on September 1, 2010 revealed that waste from the previous operating day was not covered with soil. Therefore, Lincoln County was found in violation of 15A NCAC 13B .1626(2)(a).

Inspection performed on February 2, 2011 found that was from the previous day’s waste had been covered with soil. **Therefore, this violation is considered resolved.**

General Permit Condition #6: During the previous inspection, Lincoln County was found in violation of the Solid Waste Management Rules, specifically 15A NCAC 13B .1626(4)(a)(ii), 15A NCAC 13B .1626(4)(c)(i) – (iii), and 15A NCAC 13B .1626(2)(a). Therefore, Lincoln County was found in violation of General Permit Condition #6.

All violations from the previous audit report with Notice of Violation(s) have been resolved. **Therefore, this violation is considered resolved.**

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AREAS OF CONCERN AND COMMENTS:

1. This inspection was a follow-up audit to determine the status of efforts to comply with the Notice of Violation(s) issued to Lincoln County on September 7, 2010.

Operations Inspection of the MSW Landfill Unit:

2. Waste was being placed into Phase III of the MSWLF at the time of inspection.
3. No unacceptable waste streams were observed.
4. The working face was small and compact.
5. It appeared that the wind fence along the northeast edge of the landfill was functioning well to prevent waste from depositing beyond the landfill unit as a significant amount of waste was observed adjacent to the fence. A significant amount of windblown waste was observed along the southeast edge of the landfill. However, no windblown waste was observed outside of the active landfill unit. Be sure all windblown waste is picked up at the end of the working day and returned to the active face.
6. Additional operational cover was needed on majority of inactive areas throughout the landfill. Additional soil should be added periodically to those inactive areas where waste has been exposed by vehicle traffic or weathering of the cover. All inactive areas must be covered with 6 inches of earthen material as required by 15 A NCAC 13B .1626(2)(a).
7. During the inspection, a large area of ponding was observed on the southern edge of the landfill adjacent to the access road. A pump was being used to remove water from the area, which was being routed into the leachate management system. It appeared that all leachate had been contained within the boundary of the landfill unit. 15A NCAC 13B .1626(8)(b) states that surface water shall not be impounded over or in waste. This area must be repaired to prevent future ponding and continue efforts to ensure that no leachate is lost from the landfill area. Mr. Bivins stated that repair of the ponded area had been hampered by wet conditions, but the area would be repaired.
8. All access roads were stable and good operational condition.
9. Edge of liner /edge of waste markers were being maintained.

Operations inspection of the C&D Landfill Unit:

10. The working face was less than ½ acre at the time of inspection.
11. No unacceptable waste streams were observed within the working face.
12. Windblown waste was well maintained at the time of inspection.
13. Good operational cover was observed on majority of inactive areas at the time of inspection. However, additional soil was needed at the toe of the slopes of the inactive portions of the landfill.
14. Edge of waste markers were being maintained.
15. All access roads were in stable, operational condition at the time of inspection.

Operations Inspection of the White Goods Area:

16. This area was well managed at the time of inspection. All white goods on site were observed in an upright position to ensure the structural integrity of the device prior to removal of Freon.
17. The Freon extraction area was well maintained.

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Operations Inspection of the Tire Collection Area:

18. This area was well managed at the time of inspection. All tires were being collected into covered trailers and were being stored properly.

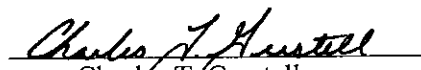
Operations inspection of the Small Type 1 Composting Unit:

19. All ground material was arranged in manageable sized windrows at the time of inspection.
20. Good access around piles of ground and un-ground material was observed for access by firefighting equipment.
21. Pallets and untreated lumber are placed in a separate area for grinding pile. Some painted boards were observed within the pile of un-ground material at the time of inspection. Mr. Bivins stated that this type of material is removed from the stockpile prior to grinding.

Additional Comments:

22. Leachate tanks were well managed at the time of inspection. Leachate was being pumped from the tanks at the time of the inspection into a tanker truck for disposal.

Please contact me if you have any questions or concerns regarding this audit report.


Charles T. Gerstell
Environmental Senior Specialist
Regional Representative

Phone: (704) 235-2144

Delivered on : <u>2/15/11</u> by	X	Electronic Correspondence		US Mail		Certified No.:
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cc: Mark Poindexter, Field Operations Branch Supervisor
Deb Aja, Western District Supervisor
Jaclynne Drummond, Compliance Hydrogeologist